

# SERIES 'GH-HP' PLASTIC FILTER CHAMBERS



**For: WATER TREATMENT / FOOD PROCESSING  
CLEANING / PHOTOGRAPHIC  
ELECTROPLATING / PHARMACEUTICAL  
CHEMICAL / PETROCHEMICAL / BEVERAGE**

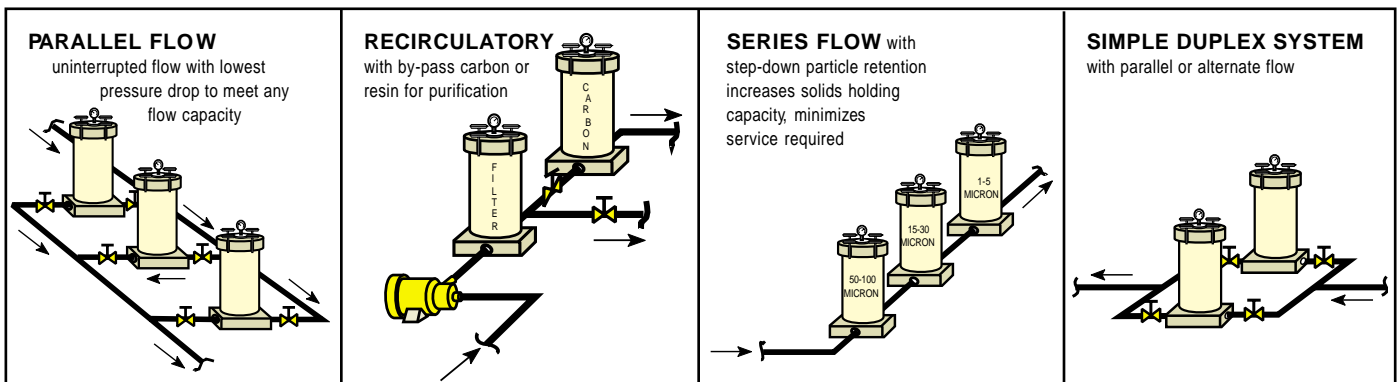
These filter chambers are designed for filtering process solutions where clarification will extend operating life and improve quality.

### FEATURES:

- **Non-metallic solution contact**  
(See Chemical Resistance Chart, Bulletin T-102)
- **CPVC, PVC, polypropylene and pure PVDF construction**
- **Heavy duty construction**
  - **Pressure ratings to 140 PSI (965 KPa)**  
(See Pressure/temperature table)
  - **Tee handles - No tools required**
  - **Pressure gauge with vent valve or plug**  
mounted on a gauge guard with diaphragm
- **High Pressure & High Flow**  
SS tie rod cover closure & SS bracket
- **Variety of sizes are available**  
From 4 to 55 - 10" cartridge capacity  
(or equivalent 20", 30", or 40" lengths)
- **Port sizes 1½", 2" & 3" NPT**  
BSP, flange, socket available  
Drain ports for influent & effluent
- **Gasket seal at cover & base**  
EPDM standard, Viton® optional

### For use with a variety of filter media (order separately)

- Depth wound, pleated, carbon or membrane cartridges
- Positive cartridge seal for —  
Standard - DOE . . . Double Open End  
Optional - SOE . . . Single Open End  
for 222 "O"-ring
- Cleanable sleeves (used with or without precoat)



## SERIES 'GH-HP' FILTER CHAMBERS Specifications and Ordering information

Tie rod closure with tee handles, stainless steel shell hold-down bracket, top reinforcing plate, 0-60 PSI pressure gauge and guard, EPDM gaskets, drain plugs. All fasteners are stainless steel. For DOE cartridges.			MODEL NUMBER	PRICE CODE NUMBER	CARTRIDGE		SLEEVE ASSEMBLY		SHIPPING WEIGHT lbs.
					NUMBER of 10" CARTS.	SOLIDS AREA sq. ft.	SURFACE AREA sq. ft.	ADD PCN	
PL	PVC base, cover and shell, CPVC vent valve and internals.	CONNS.	PL50 1½-G3A-HP	78-0520	5	17.5	3.0	78-0198	45
		1½" NPT	PL100 1½-G3A-HP	78-0521	10	35.0	6.0	78-0199	55
			PL150 1½-G3A-HP	78-0522	15	52.5	9.0	78-0200	65
			PL200 1½-G3A-HP	78-0523	20	70.0	12.0	78-0214	75
			PL220 2-G3A-HP	78-0321	22	77.0	13.2	78-0210	94
		2" NPT	PL330 2-G3A-HP	78-0322	33	115.5	19.8	78-0211	101
			PL440 2-G3A-HP	78-0323	44	154.0	26.4	78-0212	109
			PL550 2-G3A-HP	78-0324	55	192.5	33.0	78-0213	116
			PL330 3-G3A-HP	78-1328	33	115.5	19.8	78-0211	101
		3" NPT	PL440 3-G3A-HP	78-1329	44	154.0	26.4	78-0212	109
			PL550 3-G3A-HP	78-1330	55	192.5	33.0	78-0213	116
			PPL70 2F-G3-HP	78-1377	7	24.5			30
PPL	Polypropylene base, cover, shell and top seats. Polysulfone internals.	2" Flange	PPL140 2F-G3-HP	78-1378	14	49.0	Not Available	Not Available	60
			PPL210 2F-G3-HP	78-1379	21	73.5			90
			PPL280 2F-G3-HP	78-1380	28	98.0			120
			CL50 1½-G3A-HP	78-1146A	5	17.5	3.0	78-0198	45
CL	CPVC base, cover and shell with CPVC vent valve and internals.	1½" NPT	CL100 1½-G3A-HP	78-1147A	10	35.0	6.0	78-0199	55
			CL150 1½-G3A-HP	78-1148A	15	52.5	9.0	78-0200	65
			CL200 1½-G3A-HP	78-1149A	20	70.0	12.0	78-0214	75
			CL220 2-G3A-HP	78-0111	22	77.0	13.2	78-0210	94
		2" NPT	CL330 2-G3A-HP	78-0112	33	115.5	19.8	78-0211	101
			CL440 2-G3A-HP	78-0113	44	154.0	26.4	78-0212	109
			CL550 2-G3A-HP	78-0114	55	192.5	33.0	78-0213	116
			CL330 3-G3A-HP	78-1331	33	115.5	19.8	78-0211	101
		3" NPT	CL440 3-G3A-HP	78-1332	44	154.0	26.4	78-0212	109
			CL550 3-G3A-HP	78-1333	55	192.5	33.0	78-0213	116
			KL40(1) 1½F-G3-HP	78-0479	4	14.0			45
			KL80(2) 1½F-G3-HP	78-0480	8	28.0	Not Available	Not Available	55
KL	PVDF cover and base, PVDF shell sealed to base. PVDF vent plug, internals, except polysulfone cross post.	1½" Flange	KL120(3) 1½F-G3-HP	78-0481	12	42.0			65
			KL160(4) 1½F-G3-HP	78-0482	16	56.0			75
			KL70 2F-G3-HP	78-0454	7	24.5			55
			KL140 2F-G3-HP	78-0455	14	49.0	Not Available	Not Available	115
		2" Flange	KL210 2F-G3-HP	78-0456	21	73.5			175
			KL280 2F-G3-HP	78-0457	28	98.0			230

### PRESSURE/TEMPERATURE

MAXIMUM PSI PRESSURE AT OPERATING TEMPERATURE WITH TOP REINFORCING PLATE							
TEMP. °F	PL		PPL	CL		KL	
	1½"	2" & 3"	2"	1½"	2" & 3"	1½"	2"
70	140	110	100	140	110	135	120
100	95	75	64	120	100	110	95
120	60	50	52	100	80	90	80
140	35	25	40	75	60	80	70
170	-	-	31	50	30	60	55
200	-	-	-	30	25	50	45

FLOW RATE vs. PRESS. DIFFERENTIAL <sup>1</sup>		
MODEL	@ 5 PSI	@ 15 PSI
1½" 'GH-HP'	70 GPM	125 GPM
	265 LPM	473 LPM
2" 'GH-HP'	115 GPM	145 GPM
	435 LPM	549 LPM
3" 'GH-HP'	170 GPM	275 GPM
	643 LPM	1040 LPM

<sup>1</sup> With 15 micron depth wound cartridges.

### OPTIONAL

TO ORDER	ADD TO	
	MODEL NO.	PRICE CODE NO.
Flange connections: 1½" CPVC	- F	78-0458 78-0459 78-1344
Viton elastomers	change L to V	- V
Socket connections	Consult Sales Department	

TO ORDER	ADD TO	
	MODEL NO.	PRICE CODE NO.
222 "O"-ring seat for SOE (Single open end flat top) cartridge. Top seats, springs and cross posts not furnished.	- 2	- 2

**SERIES 'GH-HP' FILTER CHAMBERS Dimensions**

**DIMENSIONS**

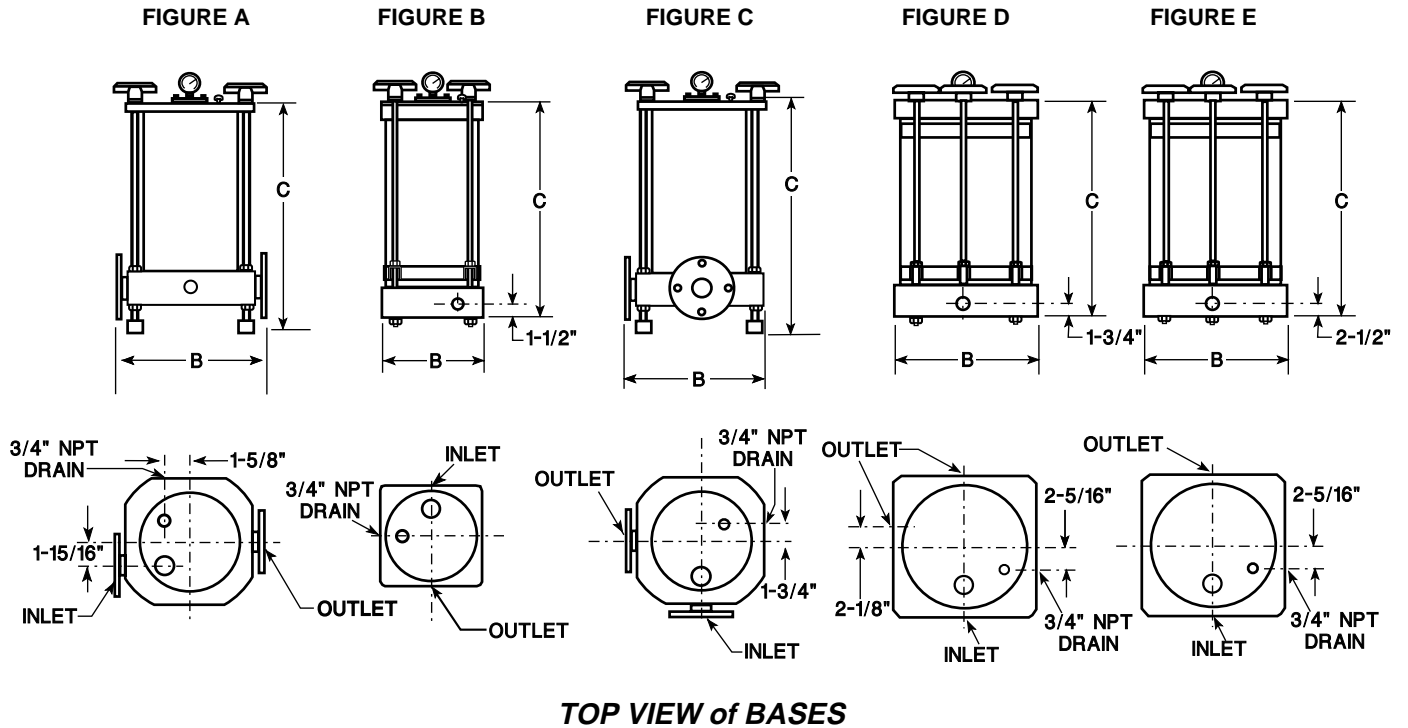


FIGURE	CHAMBER MODEL	PORT SIZE	B WIDTH in.	C HEIGHT in.	CARTRIDGES*				CLEANABLE SLEEVES	
					10"	20"	30"	40"	NO.	LENGTH in.
<b>A</b>	KL40 1½F	1½" FLANGE	13½ INCLUDES FLANGES	21	4	-	-	-	4	10
	KL80 1½F			8	or 4	-	-	20		
	KL120 1½F			12	-	or 4	-	30		
	KL160 1½F			16	or 8	-	or 4	40		
<b>B</b>	CL, PL50 1½	1½" NPT	10 SQUARE	20½	5	-	-	5	10	
	CL, PL100 1½			10	or 5	-	-		20	
	CL, PL150 1½			15	-	or 5	-		30	
	CL, PL200 1½			20	or 10	-	or 5		40	
<b>C</b>	PPL, KL70 2F	2" FLANGE	14½ INCLUDES FLANGES	24	7	-	-	7	10	
	PPL, KL140 2F			14	or 7	-	-		20	
	PPL, KL210 2F			21	-	or 7	-		30	
	PPL, KL280 2F			28	or 14	-	or 7		40	
<b>D</b>	CL, PL 2	2" NPT	15½ SQUARE	31	22	or 11	-	11	20	
	CL, PL 2			33	-	or 11	-		30	
	CL, PL 2			44	or 22	-	or 11		40	
	CL, PL 2			55	or 11	+ 11	-		50	
<b>E</b>	CL, PL 3	3" NPT	15½ SQUARE	42½	33	-	11	11	30	
	CL, PL 3			44	or 22	-	or 11		40	
	CL, PL 3			55	or 11	+ 11	-		50	

\* Maximum cartridge diameter: All PPL and PL & CL 50, 100, 150 & 200 - 2-5/8 inches. All others - 2-3/4 inches.